

6. (Amended) A camera comprising:

an array of pixel sensors, each pixel sensor to indicate at least two color components of an image;

a programmable color filter substantially covering the array;

A2.  
a controller to control the color filter to cause the pixel sensors to indicate the color components one at a time;

for each pixel sensor, at least two storage locations located in the array to store the indications from the pixel sensor; and

for each pixel sensor, circuitry to, during a first integration interval, couple the pixel sensor to one of the associated storage locations to store one of the indications from the sensor and, during a second integration interval, couple the pixel sensor to another one of the storage locations to store another one of the indications from the sensor.